

C1 - 4194

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A51276A

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-11698

OWNER: Brewer, Donald; STREET OR RFD: Jennings Chapel Rd; TOWN: Lisbon; SUBDIVISION: LONG VALLEY FARM - BARN SECTION; LOT: N/A

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Brown Shell, Sandstone, Blue Rock, and C&G water.

GROUTING RECORD form with fields for WELL HAS BEEN GROUTED, TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD form with fields for casing types (STEEL, CONCRETE, PLASTIC, OTHER), MAIN CASING TYPE, Nominal diameter, Total depth.

OTHER CASING (if used) form with fields for diameter, depth.

SCREEN RECORD form with fields for screen type or open hole (STEEL, BRASS, BRONZE, PLASTIC, OPEN HOLE, OTHER), DEPTH (nearest ft.).

PUMPING TEST form with fields for HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, TYPE OF PUMP USED.

PUMP INSTALLED form with fields for DRILLER INSTALLED PUMP, TYPE OF PUMP INSTALLED, CAPACITY, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.

NUMBER OF UNSUCCESSFUL WELLS: 0; WELL HYDROFRACTURED: YES

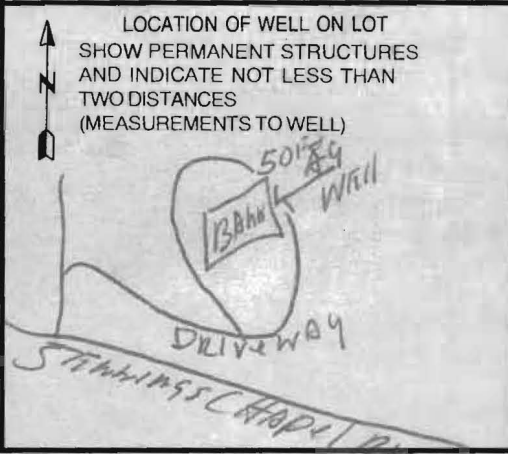
CIRCLE APPROPRIATE LETTER: A (Well abandoned and sealed), E (Electric log obtained), P (Test well converted to production well)

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO.: MSD 143; DRILLERS SIGNATURE; LIC. NO.: D

DEPTH (nearest ft.) table with rows for casing sections and slot size/diameter of screen.

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) form with fields T, W, Q.



SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) and TELESCOPE CASING, LOG INDICATOR, OTHER DATA fields.

1 **B 1** 2 **6458** 3 4 5 6
 SEQUENCE NO. (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO - 94 - 1698
 70 fill in this form completely 79

Date Received (APA) **082798**
 8 MM DD YY 13
OWNER INFORMATION
 15 Last Name Owner First Name 34
Land Design & Development
 36 Street or RFD 55
10805 Hickory Ridge RD
 57 Town 70 State 72 Zip 76
Columbia MD 21044

B 3 LOCATION OF WELL
 8 COUNTY **HOWARD** 21
 23 SUBDIVISION 42
 SECTION 44 46 LOT 48 50
Lisbon
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) 4 M I I
 73 76 77 78

DRILLER INFORMATION
 Driller's Name **Ferry Harley** 76 License No. 81 **M 5 D 143**
 Firm Name **Harley Drilling**
 Address **Box 160 WALKERSVILLE, MD**
 Signature **Ferry Harley** 21/10/98 Date **8-19-98**

B 4
 1 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
 2
 11 NEAR WHAT ROAD 30
Jennings Chapel RD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH WEST EAST SOUTH
 34 **500** 37 DISTANCE FROM ROAD **FO**
 ENTER FT OR MI 38 39
 TAX MAP: _____ BLK: _____ PARCEL _____

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) 3
 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 600
 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 COUNTY NAME **Howard Co** COUNTY NO. **A 572 76A**
 STATE SIGNATURE _____ INSERT S → _____
 DATE ISSUED **082798** **ATM/M.O.C.** **8/27/99**
 43 MM DD YY 48 CO SIGNATURE _____ EXP. DATE _____
 NORTH GRID **518 000** EAST GRID **783 000**
 50 55 57 63

APPROXIMATE DEPTH OF WELL 500 FEET
 24 28
 APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
 37 CABLE REVerse-ROTary DRive-POINT
 other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 THIS WELL WILL DEEPEAN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. **well**
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E 783
 N 518
 000
 000

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

 Well. Agricultural
 Jennings Chapel Rd

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER _____ GAP _____
 54 63
 WRITE INITIALS IN BOX PERMIT No. **HO - 94 - 1698**
 67 68 70 71 72 73 74 75 76 77 78 79

SITE INSPECTION SHEET

OWNER: Donald Renner

DATE REQUESTED: 8/27/98

ADDRESS: 4349 Jennings Chapel

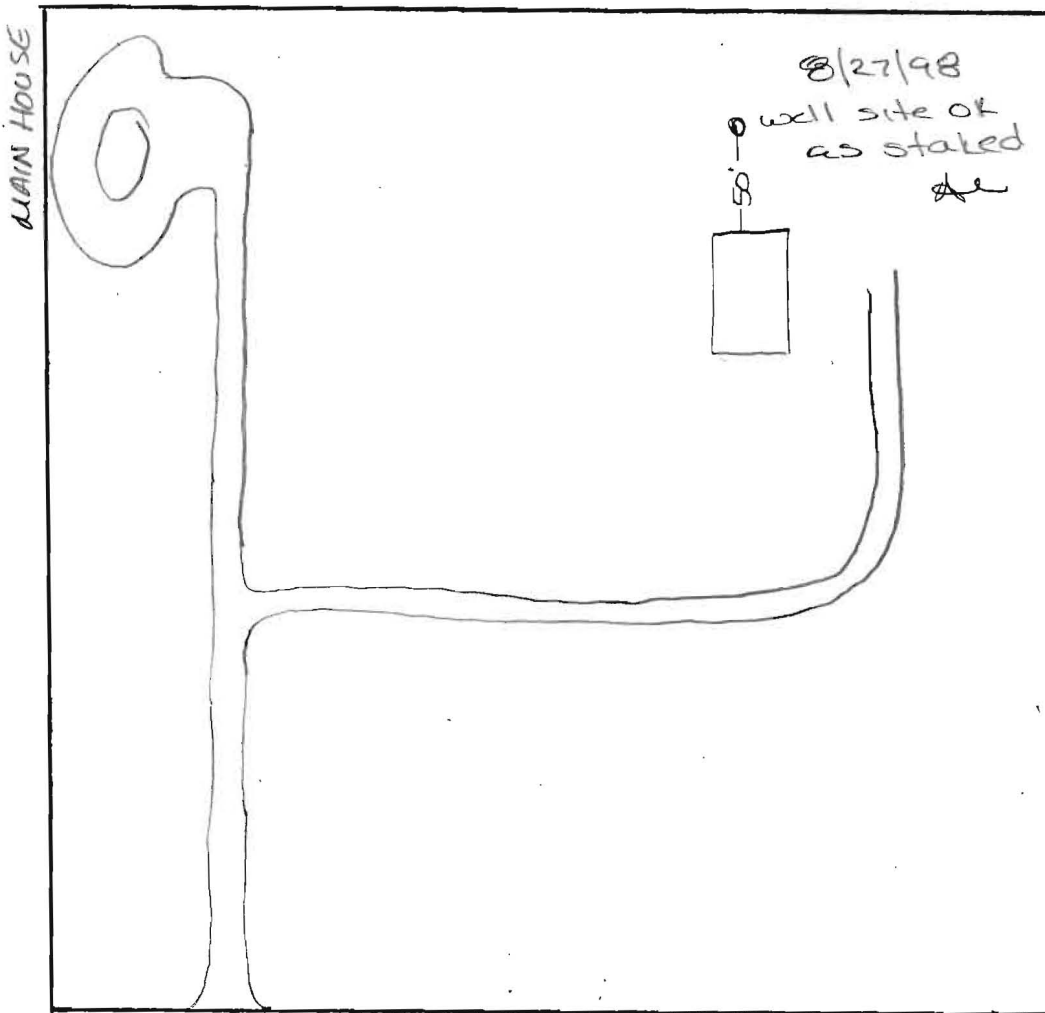
DRILLER: Perry Harley

WELL TAG # _____

COUNTY # _____

PROPOSAL: Drill well for watering of livestock at barn

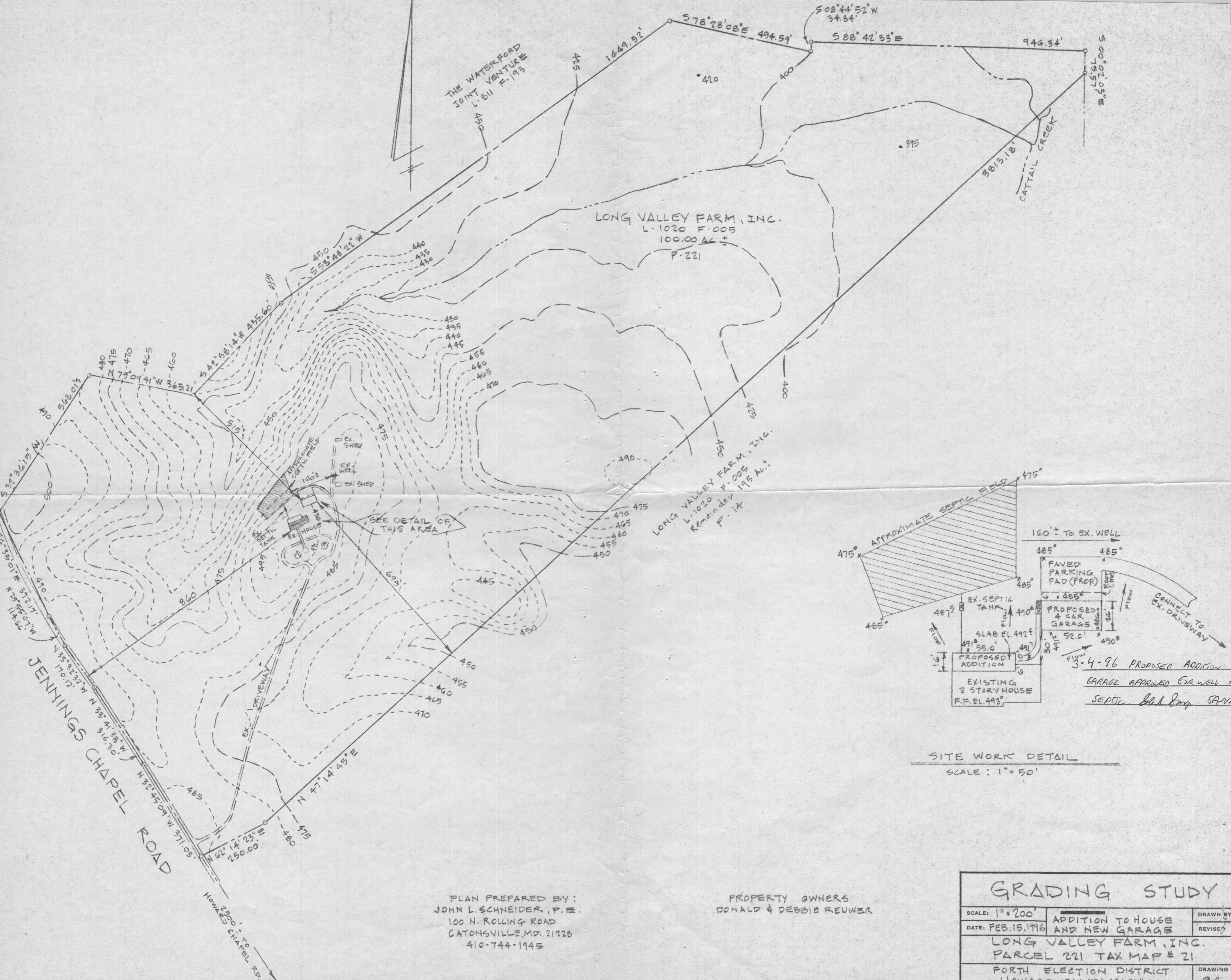
LOCATION DIAGRAM



COMMENTS: _____

DATE: 8/27/98

INSPECTOR: PH



PLAN PREPARED BY:
 JOHN L. SCHNEIDER, P.E.
 100 N. ROLLING ROAD
 CATONSVILLE, MD. 21228
 410-744-1945

PROPERTY OWNERS
 DONALD & DEBBIE REUWER

SITE WORK DETAIL
 SCALE: 1" = 50'

GRADING STUDY		
SCALE: 1" = 200'	ADDITION TO HOUSE AND NEW GARAGE	DRAWN BY
DATE: FEB. 15, 1996	LONG VALLEY FARM, INC. PARCEL 221 TAX MAP # 21	REVISED
FORTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		DRAWING
		96-

to whom it may concern.

10-27-98

(662) The well was set with 80 feet steel casing plus a drive shoe. The reason for the annular space being so tight, due to the fact that water + sand + mica made a thick mud wall on the sides of the reamed hole, making the hole very tight with no openings. The reamer is 10" it is not undersized. also there was 60 ft of trench pipe used to grab, and 3 ft of casing is out of ground.

Thank you.

Paul J. Gray

11-5-98 RENEW

OK *AG*



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

October 27, 1998

Mr. Perry Harley
Harley Drilling
Box 160
Walkersville, MD 21793

RE: Well Completion Report for H0-94-1698

Dear Mr. Harley:

Review of the above referenced well completion report received October 13, 1998, indicated potential discrepancy in the grouting record. The amount of grout did not appear to be sufficient for the depth indicated.

Please provide written clarification on how it was determined that the void was effectively grouted to the reported depth. Unless the void space was undersized, it would appear there was insufficient grout material to fill the column.

Acceptance of the well completion report by this office will be delayed while this item remains under consideration.

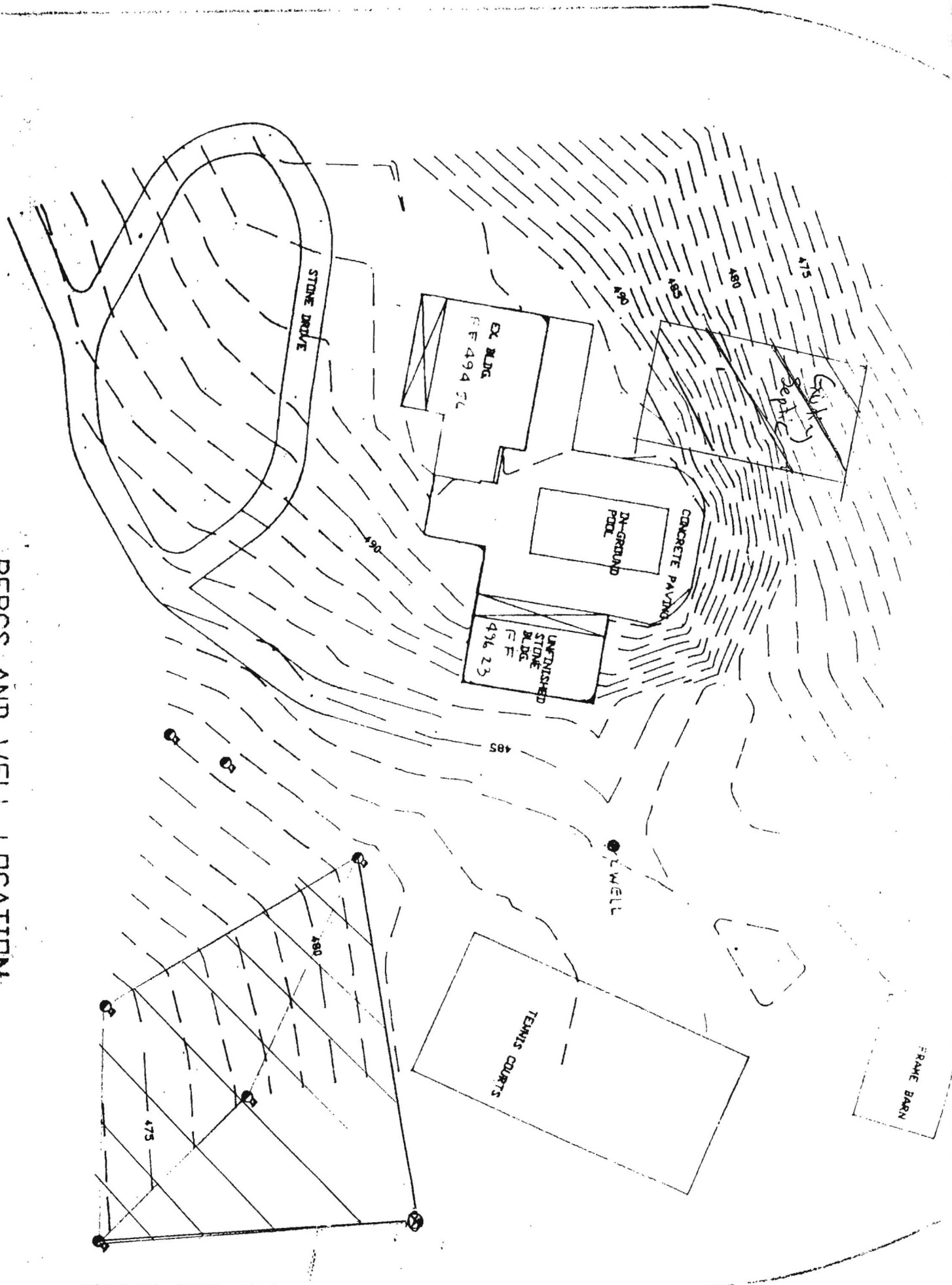
If you have any questions, feel free to contact me at the address listed above, or by calling 410-313-2640.

Sincerely,

Glen Savage R.S.

Enclosure
perry.wel

PERC CERT,
SIGNATURE BLOCK
ON BACK



PERCS AND WELL LOCATION

SCALE 1" = 50'

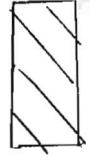
A-52216A

RECEIVED PROPERTY LOWE VALLEY ELEM

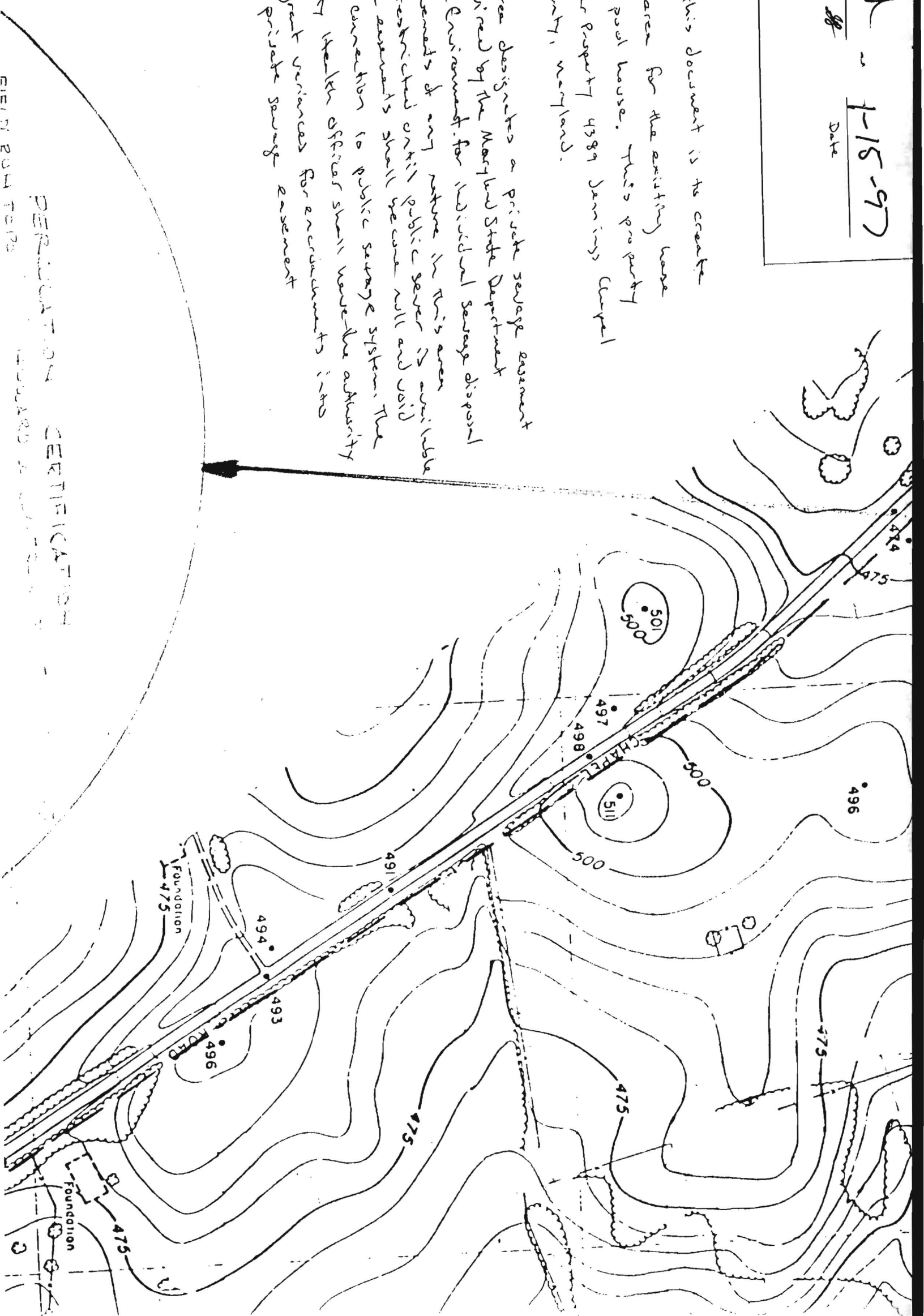
Jonathan P. H.
County Health Officer

1-15-97
Date

The purpose of this document is to create
septic disposal area for the existing house
and the proposed pool house. This property
is known as Rowner Property 4389 Jennings Chapel
Road Howard County, Maryland.



This area designates a private sewage easement
as required by the Maryland State Department
of the Environment for individual sewage disposal
Improvements of any nature in this area
are restricted until public sewer is available
These easements shall be used only and void
upon connection to public sewage system. The
County Health Officer shall have the authority
to grant variances for encroachments into
the private sewage easement



FIELD BOOK FORM

PERMIT TO CONSTRUCTION
CERTIFICATION

HOWARD COUNTY